FOS CDR RID Report

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Originator Bob Schutz
Phone No 512-471-4267
Organization Univ. of Texas
E Mail Address schutz@utcsr.ac.utexas.edu
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Section **Page** **Figure** **Table**

Category Name Requirements **Actionee** ECS
Sub Category
Subject IST

Description of Problem or Suggestion:

What study was performed to determine the number of ISTs that could be connected simultaneously? For AM-1, number is 15 with expectations to grow to 35 with future missions. Is this a design limit?

Originator's Recommendation

GSFC Response by: **GSFC Response Date**

HAIS Response by: Andy Miller **HAIS Schedule**
HAIS R. E. Scott Carter **HAIS Response Date** 11/3/95

Limiting the number of simultaneous IST connections was necessary to size EOC resources and is not a limit of the architecture or design. In particular, FOS needed to define the scope of the data traffic between the EOC and the ISTs from a network bandwidth perspective as well as the processing load on the Data Servers.

The number of ISTs for AM-1 and the growth requirements were based on discussions with the AM-1 instruments and an analysis of expected future EOS instruments. Discussions were held with each of the AM-1 instrument teams to yield the number 15. They provided their requirements for concurrent number of ISTs they needed based on their operations concept. The number 35 for future EOS instruments is based on the number of instruments and the mission phasing.

The number of IST concurrently connected is not a design limitation The FOS performance testbed will be based on the required number of IST connections as documented in the FOS Level 4 Requirements.

Status **Closed** **Date Closed** **12/14/95** **Sponsor** **Johns**

****** **Attachment if any** ******